



EDE Technical Bulletin 08/04: **NATO Power Adapter** **Description**

The Naval Facilities Engineering Service Center has developed the NATO Power Adapter for powering any 12VDC device by utilizing the NATO Slave Connector used in the Humvee or other military vehicles. The NATO Power Adapter is now included in all Expeditionary Packs and Low Cost Vehicle Search Kits (LCVSK).

Description:

The NATO Power Adapter is a solid-state device that converts 28VDC to 13.8VDC. The power cable with NATO plug is hard-wired to the adapter body. The cigarette lighter type sockets, hardwired to the adapter body, will allow two devices to be powered at the same time. Total adapter output is 6 amps between both sockets.



Technical Information:

- Input Voltage - 20 – 32 VDC
- Output Voltage- 13.8 VDC Nominal
- Output Current- 6 Amperes between the two cigarette sockets.
- Input Fuse- Fusible link in the NATO plug
- Operating Temperature- -30°C to +50°C

Protection Features:

- Over Current- 7.0 – 8.0 Amps DC
- Under Voltage Cutoff- 19 VDC
- Over Voltage Cutoff- 36 VDC
- Short Circuit- Protected
- Over temperature- Protected
- Automatic Reset- Within 10 seconds after a fault is removed
- Power Indicator- Green LED in adapter body indicates output power is present
- Cooling- No fans required, the body acts as a heat sink
- Surge Protection- Resets after a 10-second delay



For more information on this and related products contact:
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